

Index showing approximate resolution of black and white images included in the mosaic

[illegible]

nm), and green (559 nm) for Galileo SSI. Individual images were projected to a Stono-
old Equal-Area projection at an image resolution of 0.1 km/pixel. The global color
map was processed in Stonoold projection at an image resolution of 60 km/pixel.
The color utilized the SSI filters 1-micron (891 nm) wavelength for red, SSI 559 nm
wavelength for green, and SSI 433 nm wavelength for blue. The color map covers the
longitude range of 210°–250° and Vyager 2 wide-angle images were used to com-
plete the global coverage. The chosen filters for the Vyager 2 data were ~530 nm for
green, and ~480–500 nm for blue. The red band was synthesized in this area based on
the Vyager 2 data. The color map was processed in Stonoold projection at an image
resolution of 0.1 km/pixel. The color map was processed in Stonoold projection at an
image resolution of 0.1 km/pixel and the mosaic was completed. The north pole and
south pole regions that lacked digital color coverage have been completed with the mon-
ochrome blue mosaic. The color map was processed in Stonoold projection at an image
resolution of 0.1 km/pixel. The color map was processed in Stonoold projection at an
image resolution of 0.1 km/pixel. The color map was processed in Stonoold projection
at an image resolution of 0.1 km/pixel. The color map was processed in Stonoold
projection at an image resolution of 0.1 km/pixel. The color map was processed in
Stonoold projection at an image resolution of 0.1 km/pixel. The color map was
processed in Stonoold projection at an image resolution of 0.1 km/pixel. The color
map was processed in Stonoold projection at an image resolution of 0.1 km/pixel.
The color of the final mosaic was enhanced using commercial software.

Jg 15M CMNK: Abbreviation for Jupiter, Ganymede (satellite): 1:15,000,000 series, controlled mosaic (CM), nomenclature (N), color (K) (Greeley and Barsen, 1990).

Bosson, K.M.: 1987, Digital cartography of the planet—New methods, in status, and its future: Photogrammetric Engineering and Remote Sensing, v. 53, no. 5, p. 9, pp. 1211–1218.

Boeker, T.J., Antrim, B., Colvin, T.R., Davies, M.E., Giffin, A., Kirk, R.L., et al.: 2009, Final digital global maps of Ganymede, Europa, and Callisto, in Lunar and Planetary Science Conference XXXIII: Houston, Lunar and Planetary Institute, abs. no. 2009(LCD-80M).

Boeker, T.L., Rozovsky, T., Coif, D., Davies, M.E., Colvin, T.R., Aceto, C., Rodman, J.C., et al.: 2009, Final digital global maps of Ganymede, Europa, and Callisto, in Lunar and Planetary Science Conference XXXIII: Houston, Lunar and Planetary Institute, abs. no. 2009(LCD-80M).

Boeker, T.L., Rozovsky, T., Coif, D., Davies, M.E., Colvin, T.R., Aceto, C., Rodman, J.C., et al.: 2009, Final digital global maps of Ganymede, Europa, and Callisto, in Lunar and Planetary Science Conference XXXIII: Houston, Lunar and Planetary Institute, abs. no. 2009(LCD-80M).

Boeker, T.L., Rozovsky, T., Coif, D., Davies, M.E., Colvin, T.R., Aceto, C., Rodman, J.C., et al.: 2009, Final digital global maps of Ganymede, Europa, and Callisto, in Lunar and Planetary Science Conference XXXIII: Houston, Lunar and Planetary Institute, abs. no. 2009(LCD-80M).

Boeker, T.L., Rozovsky, T., Coif, D., Davies, M.E., Colvin, T.R., Aceto, C., Rodman, J.C., et al.: 2009, Final digital global maps of Ganymede, Europa, and Callisto, in Lunar and Planetary Science Conference XXXIII: Houston, Lunar and Planetary Institute, abs. no. 2009(LCD-80M).

Davies, M.E., Abalakin, V.K., Bursa, M., Liskie, J.H., Merando, B., Morrison, D.,

Saunders, P.K., Blair, A.T., Yallop, B., and Tiffin, Y.S.: 1996, Report of the IAGGACOSPAR Working Group on Cartographic Coordinates and Rotational Elements of the Planets and Satellites, 1994. Celestial Mechanics and Dynamical Astronomy, **66**, 1-10.

Wies, M.E., Colvin, T.R., Oberst, J., Zeiler, W., Schuster, P., Neukum, G., McEwen, A.S., Phillips, C.B., Thomson, P.C., Veverka, J., Barlow, M.J., and Scholten, G.: 1995, Mars Global Surveyor: A new era of Mars exploration and implications for global shape, *Science*, **267**, 731-736.

Wies, M.E. and Karyagina, F.V.: 1981, Coordinates of features on the Gessen satellite, *Journal of Geodesy*, **35**, 1-10.

Yallop, B. and Tiffin, Y.S.: 1996, *Handbook of A.G.O. and A.G.O.S.*, Springer-Verlag, New York.

Yoon, E.M.: 1997, Prediction of Digital Models using the ISIS system, in *Planetary and Space Science Conference XXVIII*, Houston, Lunar and Planetary Institute, Houston, Texas, 1-10.

Land, R.F., Anderson, J., Becker, K., Becker, T.L., Cook, D., Edwards, K., Elsson, E.M., Hans, T., Kieffer, H.H., Lee, E.M., Mathews, J., Soderholm, L.A., Sachrang, R., Scholten, G., Smith, S., and Telford, I.: 1996, Mars Global Surveyor: A new era for Imaging Spectrometry (ISIS), in *Lunar and Planetary Science Conference XXVIII*, Houston, Lunar and Planetary Institute, **3**, 897.

Zeiler, W.: 1996, *Planetary mapping*, Cambridge University Press, Cambridge, p. 274-275.

International Astronomical Union: 1964, Commission 16—Physical properties of planets and satellites, *Journal of the Royal Astronomical Society*, **19**, 60.

Transactions of the International Astronomical Union, **18**, 148—128.

1980. Working Group for Planetary System Nomenclature, at Proceedings of the 13th General Assembly, New Delhi, 1979; Transactions of the International Astronomical Union, v. 17b, p. 30.

1986. Working Group for Planetary System Nomenclature, at Proceedings of the 19th General Assembly, New Delhi, 1985; Transactions of the International Astronomical Union, v. 19b, p. 351.

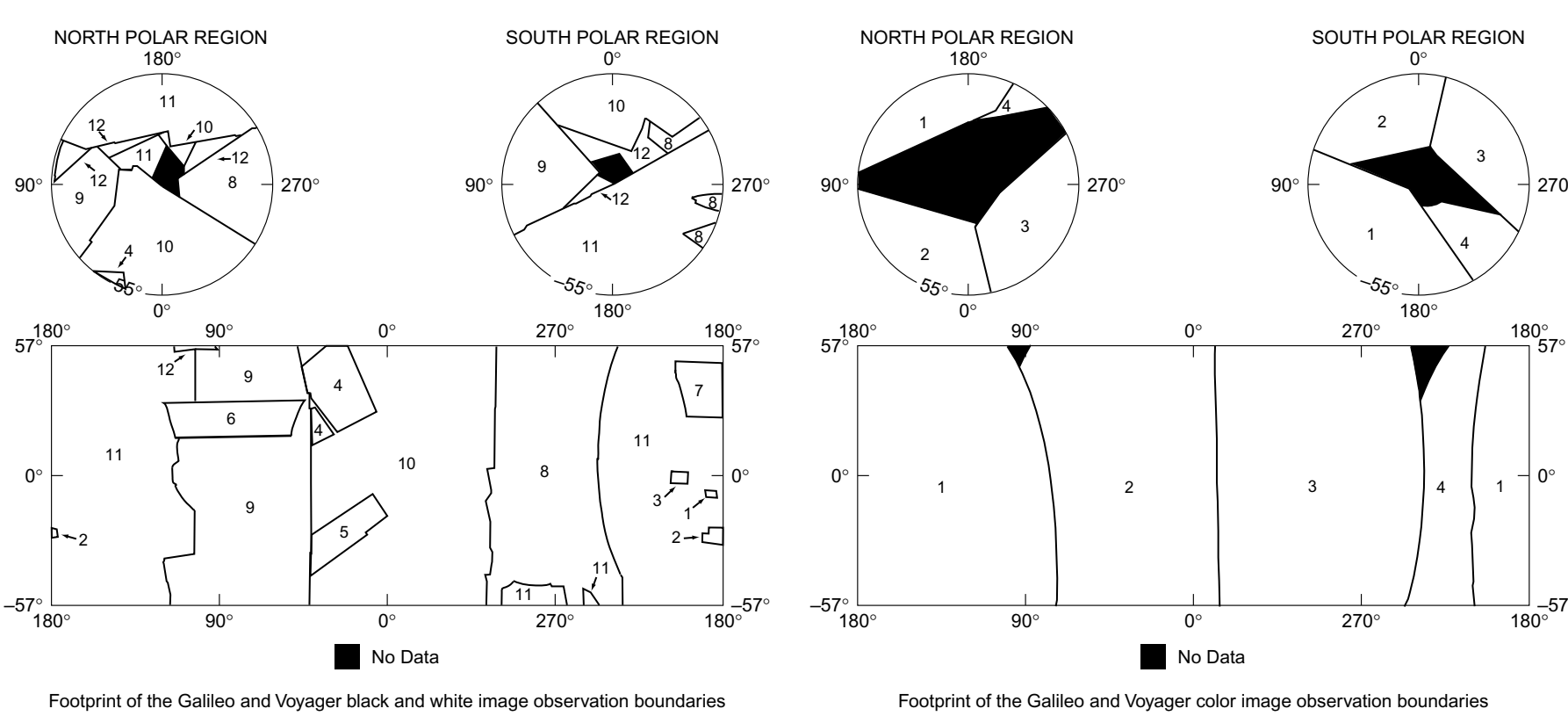
1990. Working Group for Planetary System Nomenclature, at Proceedings of the 23rd General Assembly, Kyoto, 1989; Transactions of the International Astronomical Union, v. 23b, p. 234-235.

2001. Working Group for Planetary System Nomenclature, at Proceedings of the 24th General Assembly, Manchester, 2000; Transactions of the International Astronomical Union, v. 24B [in press].

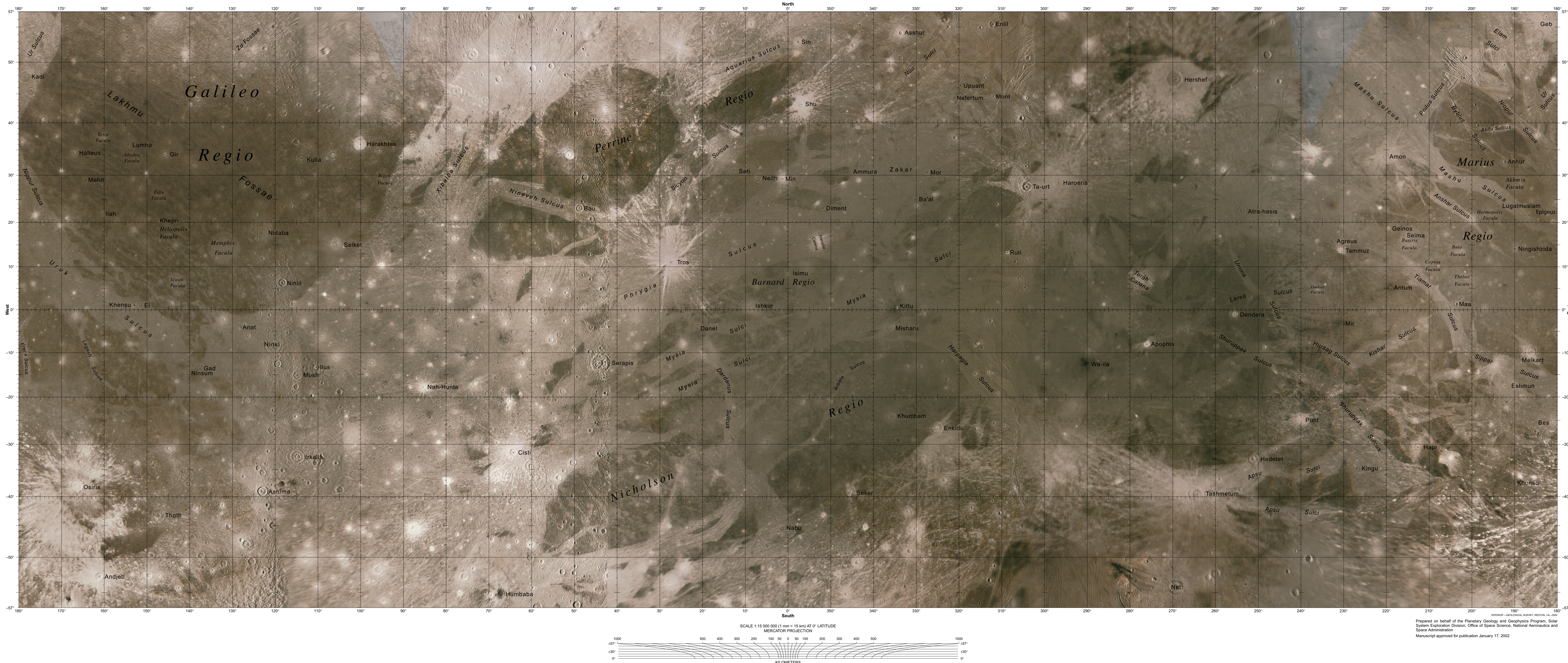
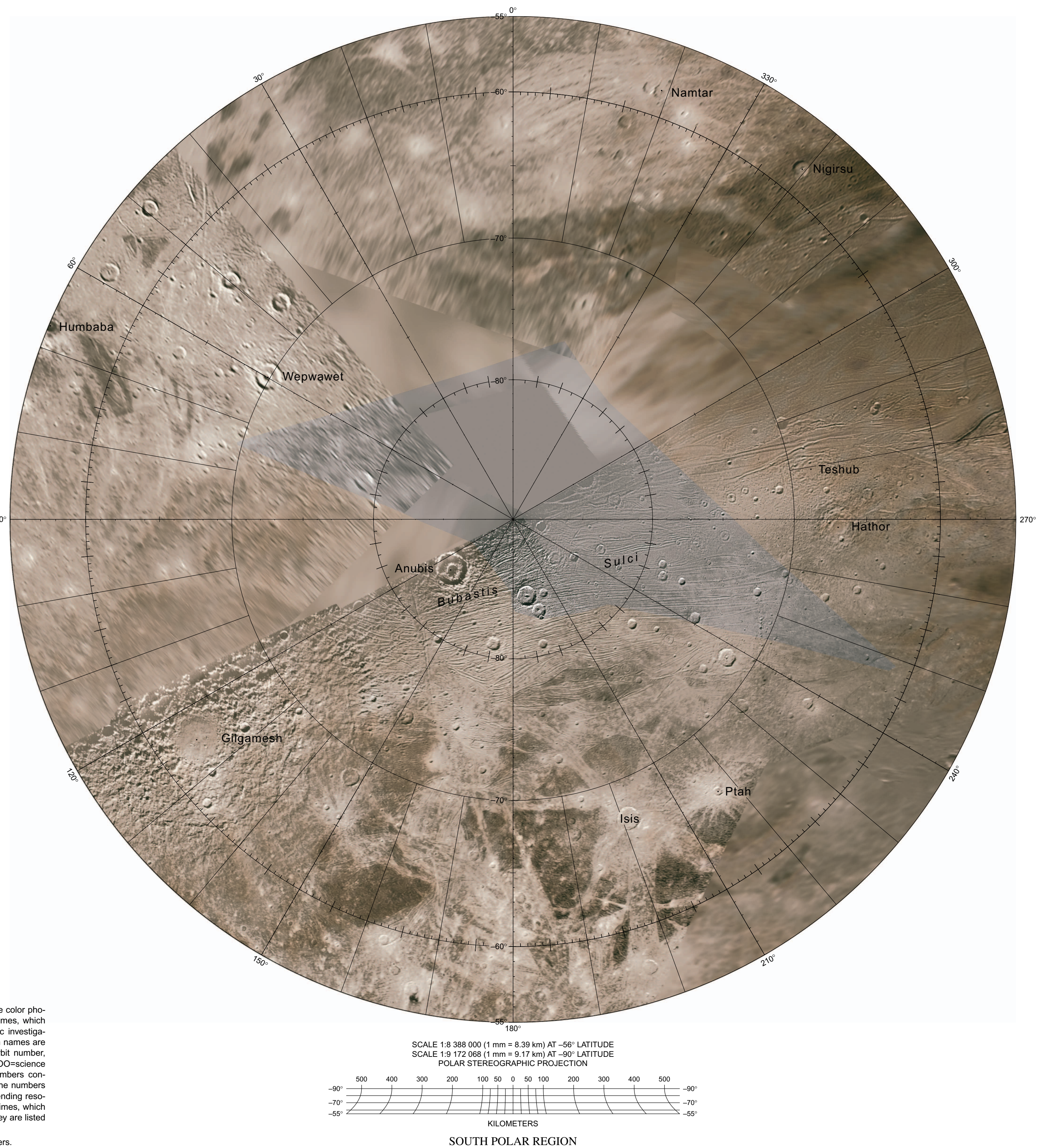
2002. IAU Working Group for Planetary System Nomenclature, at Proceedings of the 25th General Assembly, Beijing, 2001; and Lee, E.-M., 2000. Photometric modeling for planetary cartography, in Lunar and Planetary Science Conference XXXI: Houston, Lunar and Planetary Institute, abs. no. 2025 [CD-ROM].

Ewen, A.S., 1991. Photometric functions for photometry and other applications: *lscorn*, v. 3.9, p. 296-311.

Li, D., Thorne, A.P., and Bickel, S.P., 1997. SIS—A software architecture for processing planetary images, in Lunar and Planetary Science Conference XXVIII: Houston, Lunar and Planetary Institute, p. 1443.

[illegible]

Listed above are the images that were used to create the tomograms. Bold entries represent Galileo observations of areas of Ganymede that were targeted for detection. The numbers and letters included in the observations are in a standard format (NNTIOOOO0SS) where N=number of the observation, T=target (Ganymede in this case), I=instrument, O=observation, S=sequence number, and SS=sequence number. The bold observation names connected with these bold observation names correspond to the index above right and are listed in order of observation. The 'x' and 'y' entries represent spacecraft coordinates and are used as unique archival identifiers for each observation. The observation they were mosaicked.



Prepared on behalf of the Planetary Geology and Geophysics Program, Solar System Exploration Division, Office of Space Science, National Aeronautics and Space Administration
Manuscript approved for publication January 17, 2002

Any use of trade, product, or firm names in this publication is for descriptive purposes only and does not imply endorsement by the U.S. Government.

For sale by U.S. Geological Survey, Information Services, Box 25288,
Federal Center, Denver, CO 80225. 1-800-ASK-USGS

 Printed on recycled paper.